				Reactant				
Reaction	Catalyst	Temp	Reaction	Volume	Volume%	Selectivity for	R-C1 %	Observed
No.		(C)	Time(hrs)	Ratio	Catalyst	CHCl ₃		R-CI
				CCl4:R-H				color
0 (Ex.2)	А	160	9	2:1	2.9	100	13.1	light brown
1	А	160	& .	2:1	3.2	100	14.4	yellow
2	A	160	8	1.5:1	3.2	100	12.5	yellow
3	В	170	8	2:1	1.7	100	13.0	yellow
4	C	170	9	2:1	3.2	100	12.8	yellow
5	D	170	9	2:1	1.7	100	12.9	yellow
9	D	170	9	2:1	4.2	100	12.8	yellow-brown
7	A	150	12	2:1	3.2	100	12.1	yellow
8	A	170	9	2:1	3.2	100	14.6	yellow
6	A	180	9	2:1	3.2	95	14.2	brown
10	田	170	8	2:1	3.2	100	12.5	yellow

IGURE 1

				Reactant				
Reaction	Catalyst	Temp.	Reaction	Volume	Volume%	Selectivity for	R-CI %	Observed
No.		(C)	Time(hrs)	Ratio	Catalyst	CHCl ₃		R-CI
				CCl4:R-H				color
11	H	170	8	2:1	3.2	100	12.3	yellow
12	G	160	12	1:1	1.0	100	12.0	Color-less
13	Н	170	∞	2:1	5.0	100	13.3	yellow
14	I	160	3	2:1	10.0	100	14.5	light-brown
15	ſ	160	∞	2:1	3.5	100	13.5	yellow
16	K	160	9	2:1	3.5	100	12.1	Color-less
17	I	160	9	2:1	3.5	100	12.4	yellow-brown
18	-	160	9	0.5:1	3.5	99.2	8.6	yellow
19	I	160	15	2:1	3.5	97.5	15.3	Brown
20	T	160	9	2:1	3.4	100	12.3	yellow
21	M	170	9	2:1	3.4	100	9.4	dark-brown

FIGURE 2